

Water 5-15
2-Propanol 3-6
N-Methyl-2-Pyrrolidone 1-4
acetylenic, diol-based [CT-131] 0.5-1.5
dispersing agent
[Lorama ECO R1] polysaccharide resin 4-9
Melamine 7-13
[FR Cros 484] Ammonium polyphosphate 25-35
Pentaerythritol 7-13
[5099] black iron oxide 0.5-1.5
defoamer [Dow Corning Antifoam "A"] .01-1.00
ethoxylated 2,4,7,9 - tetramethyl-5-
decyn - 4,7 - diol [Surfynol 465] .01-1.0
surfactant
4% aqueous dispersion of clay filler 2-6
[Rheox Bentone A.D.]

~~Please cancel Claim 11 and rewrite it as Claim 16.~~

~~Claim 14, line 3, change "11" to --16--.~~

15. (Amended) A [fire retardant] low smoke nylon carpet, comprising:

a nylon carpet and backing [thereon that meets] which when tested in accordance with the Airbus ATS 1000.001/ABD 0031 issue 5 smoke emission test methods, said carpet produces a resulting smoke with a specific optical density not greater than 200. [and toxic gas standards.]

16. A low smoke, fire resistant carpet backing formulation according to Claim 1, wherein the composition comprises by weight:

resin

1	solvent-free anionic aliphatic polyurethane dispersion in water	22.00
6	polysaccharide resin	7.00

fire retardant components

7	Melamine	10.00
8	Ammonium polyphosphate	30.00
9	Pentaerythritol (char former)	10.00

solvents for permitting flow of the composition

2	Water	8.75
3	2-Propanol	4.00
4	N-Methyl-2-Pyrrolidone	1.70

surfactants for the composition

11	defoamer	0.05
12	ethoxylated 2,4,7,9-tetramethyl-5-decyn-4,7 diol surfactant	0.50

fillers, pigments, anti-settling and grinding aid

5	acetylenic diol-based dispersing agent	1.00
10	black iron oxide	1.00
13	4% aqueous dispersion of clay filler	4.00

= 100.00